Product Data

Castrol Hyspin® R&O Oils

Hydraulic & Lubricating Oils

Castrol Hyspin Rust And Oxidation Series Oils are rust and oxidation inhibited. These oils are formulated from high viscosity index, severely solvent-refined or severely hydrotreated base oils for health, safety and performance. They are fortified with rust, oxidation and foam inhibitors. **Castrol Hyspin Rust And Oxidation Series Oils** are designed to be used as hydraulic oils and lubricating oils for bearings, gears, pumps, engines, turbines, cylinders, spindles, compressors, and similar industrial equipment.

Key Performance Benefits

- Highly resistant to oxidation, which prevents sludging and varnishing and provides long service life.
- Maintain their viscosity in a wide range of operating loads and temperatures.
- Provides excellent corrosion resistance for internal surfaces from entrained air and moisture-caused corrosion.
- Inhibited to prevent foam under the most rigorous operating loads.
- An extensive choice of grades for all uses.
- Formulated to meet Cincinnati Milacron performance specifications.
- Base oils and other raw materials are selected to provide maximum useful service.

Compatibility With Work Materials

Castrol Hyspin Rust And Oxidation Series Oils are compatible with all oil-resistant seals and all metals. For best performance when changing oils, drain reservoirs completely and refill with the viscosity grade specified by the equipment manufacturer. Consult your Castrol Sales Engineer for questions regarding compatibility.

Recommended Applications

Castrol Hyspin Rust And Oxidation Series Oils are designed to be used in all industrial applications where rust and oxidation performance is specified by machine tool or equipment manufacturers. Long sludge-free drain intervals are provided by these oils in hydraulic and circulating lube oil applications.

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Typical Characteristics

ISO Grade	10	22	32	46	68	100	150	220	460
Kinematic Viscosity, ASTM D-445									
@ 40° C, cSt	10.03	23	33.8	45.3	68.2	105.7	145.2	218	480
@ 100°C, cSt	2.61	4.5	5.6	6.7	8.8	11.8	14.6	19.3	32.5
Viscosity Index	105	105	103	103	103	102	99	99	97
Flash Point, °C /°F	>185/365	>185/365	>185/365	>185/365	>185/365	>185/365	>185/365	>224/435	>232/450
Specific Gravity, @ 15°C/ 60° F.	0.84	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.89
Oxidation Life, ASTM D943, hrs to TAN 2.0			7000+	7000+	7000+				

TYPICAL LEVEL OF PERFORMANCE ISO 32

Oxidation & Corrosion, RBOT Rotary Bomb (minutes to 25 psi loss), ASTM D-2272	1000
Turbine Oil Oxidation, ASTM D-943 (h to TAN 2.0)	7000+
Turbine Oil Rust Test, ASTM D-665	
a. Distilled Water	Pass
b. Synthetic Sea Water	Pass
Turbine Oil Demulsibility ASTM D-1401, 40-40-0, minutes	25

Subject to Normal Manufacturing Tolerances

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